

19970823.qrp v00_n827.qrs.970823

>From ???@??? Sat Aug 23 22:19:26 1997
Date: Sat, 23 Aug 1997 19:03:12 EDT
Subject: QRP-L digest 827
Message-Id: <97Aug23.190402edt.35166-30186+163@fidoii.cc.Lehigh.EDU>

QRP-L Digest 827

Topics covered in this issue include:

- 1) [25348] Standard Capacitor Codes
by n4so@juno.com (charles k brown)
- 2) [25349] Re: Inflated Accessory Prices?
by kt3a@juno.com
- 3) [25350] WTB: keyer & audio filter for MFJ 90XX radio
by "N4ELM" <n4elm@ipass.net>
- 4) [25351] Re: Inflated Accessory Prices?
by "Michael A. Gipe" <mgipe@reliablemeters.com>
- 5) [25352] Re: "Altoids" box rigs?? (Rainbow Tune Info)
by "Heron, George" <G.Heron@dialogic.com>
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by Steven Weber <kd1jv@moose.ncia.net>
- 7) [25354] Re: Inflated Accessory Prices?
by "J. Skalski" <jskalski@acsu.buffalo.edu>
- 8) [25355] Re: Source for Kent Paddles?
by Bob Schreibmaier <k3ph@dxis.monroe.pa.us>
- 9) [25356] Re: Inflated Accessory Prices?
by "Dana H. Myers" <myers@West.Sun.COM>
- 10) [25357] Re: Help -Toroids with shorted turns
by Ed Pacyna <pacyna@auratek.com>
- 11) [25358] altoids tin transmitters-receivers
by jack <cmb@mc.net>
- 12) [25359] RE: Inflated Accessory Prices?
by "Adam B. Kanis" <adam-kanis@uiowa.edu>
- 13) [25360] Re: Help -Toroids with shorted turns
by Dale LeDoux <dledoux@laci.net>
- 14) [25361] Burning Man Radio
by Dick Dillman <ddillman@igc.apc.org>
- 15) [25362] Re: Inflated Accessory Prices?
by DYARNES@aol.com
- 16) [25363] Power Supply Blues
by Joe Gervais <vole@primenet.com>
- 17) [25364] Re: Curry Communications/Dave Curry
by Jess Gypin <jessqrp@concentric.net>
- 18) [25365] Re: Power Supply Blues
by Paul Erickson <paul1@wizard.ucsfu.ca>
- 19) [25366] *NEW* Antennas Mailing List

- by "Brian K. Short" <shortckt@primenet.com>
- 20) [25367] Re: Toroid with shorted turns
by rob3ert@juno.com (Robert G. Parks)
- 21) [25368] Curry Communications
by n4so@juno.com (charles k brown)
- 22) [25369] Alaska Online CHAT PAGE Info - de AL7FS
by "Jim, Nancy and Juliann Larsen" <larsennc@alaska.net>
- 23) [25370] Ten Tec TX-100 schematic needed, please
by Jim W7LS <w7ls@brigadoon.com>
- 24) [25371] Re: Help -Toroids with shorted turns
by gsurrency@juno.com (Gary L L Surrency)
- 25) [25372] QRV Electronics
by n4so@juno.com (charles k brown)
- 26) [25373] Antennas !
by ROYGREGSON@aol.com
- 27) [25374] Re: Antennas !
by Bob Hightower <ki7mn@dancris.com>
- 28) [25375] W6RCL / KH6
by Alan Kaul <kaul@netcom.com>
- 29) [25376] Coil stock (e.g., Air-Dux, etc.
by "L. B. Cebik" <cebik@utkux.utcc.utk.edu>
- 30) [25377] Re: altoids tin transmitters-receivers
by Stanley Wilson <microres@crl.com>
- 31) [25378] Re: Antennas !
by "duane" <duane@flinet.com>
- 32) [25379] Fretwork
by Tony Fishpool <G4WIF@compuserve.com>
- 33) [25380] Potato Cannon Site - Antenna Launching
by cleveland@usa.net (Grover Cleveland)
- 34) [25381] Re: Antennas !
by "Bob Duckworth" <wb4mnf@atl.org>
- 35) [25382] Re: Antennas ! (and cannons)
by pthomson@bruderhof.com
- 36) [25383]
by w8irq@juno.com
- 37) [25384] Search infos about MX-7S
by Karl-Heinz Kaatz <kh.kaatz@gmx.de>
- 38) [25385] Help for college Ham club needed
by "D.K. Philbin" <dphilbin@slonet.org>
- 39) [25386] Re: Power Supply Blues
by launerb@crl.com (William H. Launer)
- 40) [25387] Re: Antennas !
by Bob Hightower <ki7mn@dancris.com>
- 41) [25388] Re: Antennas !
by Bill Todd <bill@techline.com>
- 42) [25389] Shorted toriod turns, an experiment
by Steven Weber <kd1jv@moose.ncia.net>
- 43) [25390] FW: Re: Antennas ! (and cannons)

by gregoire@endor.com
44) [25391] spud guns
by Scott Bauer <ke3nv@erols.com>
45) [25392] Re: Potato Cannon Site - Antenna Launching
by Joe Gervais <vole@primenet.com>
46) [25393] Happy mail-order op
by Bob Liesenfeld <wb0poq@visi.com>
47) [25394] [Fwd: Re: Chat page Creativity]
by "Jim, Nancy and Juliann Larsen" <larsennc@alaska.net>
48) [25395] Re: College Ham Club Help
by "Ralph L. Irons" <rli8m@weyl.math.virginia.edu>
49) [25396] Re: Antennas !
by Bob Hightower <ki7mn@dancris.com>
50) [25397] Upgraded - finally !!
by Niel Skousen <nskousen@scientech.com>
51) [25398] Two QRN/QRN Questions
by Joel Malman <malman@BBN.COM>
52) [25399] Re: spud guns
by Doug <doug@sunrise.alpinet.net>
53) [25400] Re: Antennas !
by n4js@amsat.org
54) [25401] Re: Upgraded - finally !!
by Roger Hightower <n7kt@dancris.com>
55) [25402] 38S
by kb0pte@juno.com (Jerry W Alexander)
56) [25403] Aerial hardware
by D Limbrick <DAVLIM@extra.co.nz>

Date: Fri, 22 Aug 1997 19:39:35 EDT
From: n4so@juno.com (charles k brown)
To: qrp-l@Lehigh.EDU
Subject: [25348] Standard Capacitor Codes
Message-ID: <19970822.063800.4391.7.n4so@juno.com>

The Standard EIA Capacitor and Resistor codes are in
the ARRL handbook 1996, chapter 24 first and second pages.

Everything you wanted to know about capacitors--
a saved text file, capacitors 1 and 2 from Paul Harden
capacitor DATA SHEETS.... ask for cap.txt
These files are long, descriptive and very detailed on currently used
capacitors.

from: n4so@juno.com

Do not repeat or quote this message text.

Ken Brown, N4SO
QTH nr Mobile, AL/ EM50tk
qrp-1 #622
n4so@juno.com

Date: Fri, 22 Aug 1997 19:52:55 EDT
From: kt3a@juno.com
To: DYARNES@aol.com
Cc: qrp-1@Lehigh.EDU
Subject: [25349] Re: Inflated Accessory Prices?
Message-ID: <19970823.193247.5415.3.kt3a@juno.com>

When a certain calculator company came out with a line of products back in the 70s, I said that the company was not in the calculator business, but the battery business.

I have stayed away from one of the "big three" companies just for that reason alone. The equipment was the lowest price, but if you want accessories, watch your wallet.

Now for the QRP related note. I use the power adapter that RS sells for use with the cell phones. It has a coaxial power connector on as well as a coiled power cord. It runs about \$7. It is fused which makes me feel even better. It is tough to build one for less.

72,
Cameron C.R. Bailey <><
Amateur Radio, KT3A
kt3a@juno.com
Mount Wolf, Pennsylvania

Date: Fri, 22 Aug 1997 19:39:59 -0400
From: "N4ELM" <n4elm@ipass.net>
To: <qrp-1@Lehigh.EDU>
Subject: [25350] WTB: keyer & audio filter for MFJ 90XX radio
Message-ID: <199708230010.UAA28126@passport.ipass.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=ISO-8859-1
Content-Transfer-Encoding: 7bit

Looking for the optional keyer and audio filter modules for a MFJ 9020 CW Tranceiver.

Will consider buying an entire MFJ 90XX radio with the modules for a reasonable price.

73 - Dave, N4ELM.

Date: Fri, 22 Aug 1997 17:23:41 -0700
From: "Michael A. Gipe" <mgipe@reliablemeters.com>
To: <DYARNES@aol.com>, "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
Subject: [25351] Re: Inflated Accessory Prices?
Message-ID: <199708230022.TAA03970@multi13.netcomi.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=ISO-8859-1
Content-Transfer-Encoding: 7bit

OK, at the risk of being flamed, I'll tackle this question.

First, let's look at it from a cost standpoint:

\$
15 direct cost of components, in quantity
10 assembly cost, direct labor (PC assembly, connector handwiring,
mechanical assy)
5 test, direct labor
3 packaging cost (assuming sales volume > 20K/yr)
15 shipping and import duties from Japan

40 retail markup

88 direct costs total

\$100 sales price - \$88 = \$12 left for the manufacturer to pay for:

development costs (engineers gotta eat too)
overhead: plant, equipment, utilities, supplies
sales and marketing costs
advertising
administrative costs (things like accountants, the janitor, personnel dept,
etc.)
warranty costs
scrap losses
taxes, government fees, permits
pension costs
vacation, sick, and holiday pay

insurance
customer service
employee benefits
profit to shareholders
etc.

BTW, \$12 won't buy a Big Mac in Japan.

My guess is that the manufacturer is losing money on that sale.

Retail markup (difference between suggested list price and wholesale price) in electronic equipment is usually around 25% to 40%, the higher the price, the lower the markup.

In ham radio retailing, competition is such that the sales price of large items (your HT or transceiver) is discounted nearly to the wholesale cost. Retail stores like HRO typically do not make much profit on those discounted items, but they hope to make enough money on the non-discounted accessories to pay expenses. Should we go into those expenses?

The manufacturing volume of accessories such as the mobile adapter is much smaller than the transceiver itself, which means the component costs are going to be higher. Also, fixed development costs are higher per unit when amortized over fewer units. (The plastic case for that adapter required a \$50,000 tool -- how many units do you have to sell to pay for that?).

The amazing thing is that they can sell a complete synthesized transceiver with special mobile adapter for only \$390!

Is Standard Communications Co. earning humongous profits? I haven't looked in the stock listings to check, but if they were doing much better than the general business world, you can be sure they would be on the front page of the newspaper.

Think about companies like Intel, which takes \$0.25 of raw material and sells it to you for \$800. They are making good profits and are on the front page of the paper.

Think about 3M, which takes \$0.0002 of raw material and sells it to you in the form of Post-it(r) notes for \$2.00.

Think about Microsoft, -- well, on second thought, don't think about Microsoft.....it's too painful.

Now David, I'm not saying you're a "penny-pinching tight wad", and I'll admit to thinking the same thoughts the last time I bought something at HRO, or Fry's, or Radio Shack, or whatever. However, global competition is

very effective at reducing our overall prices to the barest minimum. Where are National Radio, Hallicrafters, Collins, Heathkit, Gonset,...? Just remember that you got a good radio with accessories for a pretty good price, considering all that goes into it.

disclaimer -- All numbers quoted in this post are estimates by the author based on many years of experience in the electronics equipment design and manufacturing industry. They may or may not be accurate.

Should we talk about ham radio kits? Did you ever wonder why there is only one real commercial kit manufacturer in the US (TenTec)? The rest are mostly one-person, no-profit enterprises. BTW, I am not privy to TenTec's internal accounting numbers, but I believe that the part of the business which pays the bills is the metal and plastic fabrication services which they sell to other industries.

But that's a whole 'nother thread...

Mike K1MG

> From: DYARNES@aol.com
snip
> Now what would you guess this accessory should cost? Actually, I was
> originally told by HRO that it was around \$30, but they didn't have any
in
> stock right now. I thought that was a little high for a 12V adapter, but
> today I decided I would go ahead and order one. Guess what? The price
is
> not \$30, but about \$100!
>
> As it turns out, this "mobile adapter" is a bit more than just a power
> adapter (but not very much more in my view). Apparently it uses a
connector
> to the radio like that used by cell phones. From that, you also get an
> external antenna output connection (SO-239) and an external speaker
> connection. That's it!
snip

Date: Fri, 22 Aug 1997 20:28:05 -0400
From: "Heron, George" <G.Heron@dialogic.com>

To: "'QRP-L'" <qrp-l@Lehigh.EDU>
Subject: [25352] Re: "Altoids" box rigs?? (Rainbow Tune Info)
Message-ID:
<c=US%a=_%p=Dialogic%l=EXCHANGE1NJ-970823002805Z-83029@exchange1nj.dialogic.com>
MIME-Version: 1.0
Content-Type: text/plain; charset="us-ascii"
Content-Transfer-Encoding: 7bit

A brief note regarding the discussion Joe N2CX and Sandy were having about building in the Altoids tin ...

Joe mentioned that information concerning the Rainbow Tuner could be found at the NJQRP website (<http://www.njqrp.org>) AND could also be obtained by return email by sending a request to our server. Here's how it's done:

Address an email to EMBOT@NJQRP.ORG and place one (or all) of the following commands in the body of the email:

- SEND APPNOTES
- SEND DESCRIBE
- SEND ORDERS
- SEND REVIEWS
- SEND SPECS
- SEND STATUS
- SEND SEND ERRATA

Almost immediately, the requested textual Rainbow information will be returned to you.

72,
--George N2APB
g.heron@dialogic.com

Date: Fri, 22 Aug 1997 19:39:10
From: Steven Weber <kd1jv@moose.ncia.net>
To: DYARNES@aol.com
Cc: qrp-l@Lehigh.EDU
Subject: [25353] Re: Inflated Accessory Prices?
Message-ID: <3.0.1.16.19970822193910.244f4ce4@mailhost.ncia.net>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

Hi Dave and Gang,

You bet, 100 bucks for a simple voltage regulator and antenna connector box does seem a bit much. Not uncommon though. Many places sell the basic rig at near cost and hope to make it up on the accessories. True of a lot of products in many fields. Simple economics.

73, Steve KD1JV

Date: Fri, 22 Aug 1997 20:35:41 -0400 (EDT)
From: "J. Skalski" <jskalski@acsu.buffalo.edu>
To: "Michael A. Gipe" <mgipe@reliablemeters.com>
Cc: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [25354] Re: Inflated Accessory Prices?
Message-ID: <Pine.GS0.3.96.970822203121.19699A-100000@xena.acsu.buffalo.edu>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

Those are the costs that might occur in the US.

How much do you really think it costs to produce in the third world?
Consider the costs of making NIKE sneakers....no at that price ..they are athletic shoes.

If I use a stainless steel bone screw to fixate a fracture or osteotomy or use a joint implant....the same thing happens. It is more a matter of what the market will bear.

73,

Jim N2GO
The Buffalo QRP CONNECTION
ARCI #9013 QRP-L #381
Life member ARRL
jskalski@acsu.Buffalo.EDU

Date: Fri, 22 Aug 1997 20:16:37 -0400 (EDT)
From: Bob Schreibmaier <k3ph@dxis.monroe.pa.us>
To: qrp-l@Lehigh.EDU
Subject: [25355] Re: Source for Kent Paddles?

Message-ID: <199708230016.UAA08429@dxis.monroe.pa.us>

MIME-Version: 1.0

Content-Type: text/plain; charset=US-ASCII

Content-Transfer-Encoding: 7bit

> > I recently got the chance to use a Kent iambic paddle and
> > liked it very much. However, the owner only remembers that
> > he purchased it "at Dayton." Any ideas where one can buy
> > these?
> >
> Check QST mag. They have an ad in it. It is in AR. He will take plastic
> and gets the kits out the same day or no later than the next day. You
> would have a fight if you tried to take mine away (BG).

Thanks to everyone who responded -- the order has been placed!

It appears that I was the only person on the planet who didn't know
they advertise in QST. Sigh. 8^)

72,
Bob

--

```
+-----+
| Bob Schreibmaier K3PH | E-mail: k3ph@dxis.monroe.pa.us |
| Kresgeville, PA 18333 | ICBM: 40o55'N 75o30'W          |
+-----+
```

Date: Fri, 22 Aug 1997 18:00:25 -0700 (PDT)
From: "Dana H. Myers" <myers@West.Sun.COM>
To: qrp-l@Lehigh.EDU
Subject: [25356] Re: Inflated Accessory Prices?
Message-ID: <Roam.SIMC.2.0.6.872298025.10684.myers@West.Sun.Com>
Content-Type: text

I've found I don't like inflated accessories myself.

They're too easy to accidently puncture and deflate.

Dana K6JQ
Dana@Source.Net

Date: Fri, 22 Aug 1997 14:32:21 -0400
From: Ed Pacyna <pacyna@auratek.com>
To: qrp-1@Lehigh.EDU
Subject: [25357] Re: Help -Toroids with shorted turns
Message-ID: <3.0.16.19970822143220.2edf8772@dingle.auratek.com>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

>At 10:47 AM 8/22/97 -0400, Bob Kellogg wrote:

>>If you have a toroid inductor, and if you short several of the turns on
>>that inductor, does it make the inductor more lossy?
>>A statement to that affect appeared on this forum a few days ago.

I saw that post as well and silently disagreed. I see no reason that the Q would materially change.

>>One of my correspondents modified his SLT, clipping the ground lead on the
>>bottom end of the inductor, thus eliminating the short. Indications are
>>that losses increased substantially instead of decreasing as expected.

I am not familiar with the SLT configuration. However if it is a C-L-C T network (very commonly used) the bottom end of the inductor and the shorting point should be connected to ground. The reason is, otherwise you would have an auto-transformer and the free end would float at a very high impedance and voltage condition (i.e. through transformer action).

73

Ed, W1AAZ

Date: Wed, 13 Aug 1997 02:23:59 -0500
From: jack <cmb@mc.net>
To: qrp-1@Lehigh.EDU
Subject: [25358] altoids tin transmitters-receivers
Message-ID: <33F1610E.369E42EE@mc.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

any qrp plans out there for the altoids tins,i would like to make a transmitter in one and receiver in the other.thanks jack n9iif

Date: Fri, 22 Aug 1997 20:49:04 -0500
From: "Adam B. Kanis" <adam-kanis@uiowa.edu>
To: DYARNES@aol.com
Cc: qrp-1@Lehigh.EDU
Subject: [25359] RE: Inflated Accessory Prices?
Message-ID: <3.0.3.32.19970822204904.006a9720@mo1sun.opthth.uiowa.edu>
Mime-Version: 1.0
Content-Type: text/enriched; charset="us-ascii"

David,

I think this sentence of yours is significant.

>>>>

<excerpt>Hell, the radio only cost me \$290! They want \$100 for the plug!

</excerpt><<<<<<<<

Probably gave up some margin on the purchase price, hoping to get most of it back on some overpriced accessories. I also think you're right, that they are hoping to sucker some of the less technically oriented new hams (not necessarily No-Code Techs), into buying "the real factory stuff" instead of a functional equivalent.

On the company's side, however, one of the items in the adapter may very well be some noise or spike protection. Keeping that in mind, after I get back from a short-notice trip this weekend, I'll be asking for some technical help about the proper way to use MOVs and voltage regulators to protect 12 VDC equipment.

73,

--adam, n2brt

adam-kanis@uiowa.edu

Date: Fri, 22 Aug 1997 10:11:14
From: Dale LeDoux <dledoux@laci.net>
To: ae4ic@nr.infi.net
Cc: qrp-1@Lehigh.EDU
Subject: [25360] Re: Help -Toroids with shorted turns
Message-ID: <3.0.1.16.19970822101114.37b75664@laci.net>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

At 10:47 8/22/97 -0400, you wrote:

>Alright, Guys, inquiring minds need to know the *facts*.

>

>If you have a toroid inductor, and if you short several of the turns on
>that inductor, does it make the inductor more lossy?

>

>A statement to that affect appeared on this forum a few days ago.

OK, folks. Let's try this one slow and simple...

Fact 1: A toroid inductor is an inductor, just a single winding around a magnetic coil, like the primary winding of a transformer, except there is no secondary winding, just a coil with two terminals.

Fact 2: If we took a center tap out, in essence and in fact, we've just created an autotransformer.

Fact 3: If we cut the single winding in two pieces, we have created a two-winding transformer

Now, try this if you have a variac and a two-winding transformer. Hook the variac to the high voltage winding of the transformer with an ammeter in series to measure current. Leave the low-voltage winding open. Energize and raise the voltage slowly on the primary winding. Note that there is a low amount of current flowing. Then, reduce the voltage to zero. Short the low-voltage winding. Again slowly raise the voltage. Note that shorting the secondary winding act as though the primary winding is also shorted. (NOTE: This experiment is particularly spectacular when the transformer primary voltage is 13800 volts, the source is a 50 megawatt generator, and the shorting device is a piece of tin blown about by a summer thunderstorm.)

You can easily replicate this experiment with an autotransformer. Shorting the turns on an inductor changes it into a three-terminal device - an autotransformer with shorted turns.

This is a basic fact of life with transformers and inductors. If you short out turns of an inductor, you DO NOT remove them from the magnetic field, and they will attempt to draw power from the input source and then dissipate it as heat. How well this happens depends on the value of the magnetic path. If you want to change the value of the inductance, shorting turns will result in some very unpredictable results. Instead, remove turns or cut one end loose, leave it floating, and move a tap higher up the winding. Doing otherwise results in some of those unpredictable outcomes which give some of our projects such "interesting" operating characteristics.

Hope this helps--

Dale LeDoux - KD5QI
Bath Electrical Systems
Power Systems 480V to 230KV

Date: Fri, 22 Aug 1997 20:05:19 -0700 (PDT)
From: Dick Dillman <ddillman@igc.apc.org>
To: qrp-l@Lehigh.EDU, boatanchors@theporch.com
Subject: [25361] Burning Man Radio
Message-ID: <2.2.16.19970822200401.349f3310@pop.igc.org>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

Greetings folks. W6AWO will be on the air from approximately 27 August to 31 September. That in itself is a rare event but I'm writing to say that I'll be operating QRP portable from the Burning Man event in the Black Rock Desert about 100mi. NNE of Reno, NV.

For those who have not seen reports of this event it's several days of art and wildness culminating in the burning of the 40ft. tall, explosives-packed figure of a man. Thus my schedule is apt to be a bit, how shall we say?... Erratic. But as shrapnel permits I'll be hanging around the QRP frequencies of 7.040 and 10.116MHz and happy to work all comers. I'll even make up a special Burning Man QSL card if there's any interest in such a thing.

73,

Dick

Dick Dillman
<ddillman@igc.apc.org>
WPE2VT W6AWO
Collector Of Heavy Metal:
Harleys, Willys and Radios Over 100lbs.

Date: Sat, 23 Aug 1997 00:38:31 -0400 (EDT)
From: DYARNES@aol.com
To: mgipe@reliablemeters.com, qrp-1@Lehigh.EDU
Subject: [25362] Re: Inflated Accessory Prices?
Message-ID: <970823003823_-2072675947@emout08.mail.aol.com>

In a message dated 97-08-22 20:24:00 EDT, you write:

<< OK, at the risk of being flamed, I'll tackle this question.

First, let's look at it from a cost standpoint:

\$
15 direct cost of components, in quantity
10 assembly cost, direct labor (PC assembly, connector handwiring,
mechanical assy)
5 test, direct labor
3 packaging cost (assuming sales volume > 20K/yr)
15 shipping and import duties from Japan >>

Hi Mike,

No flame from me, and I do appreciate your attempt to look at this from a logical perspective. Also, I realize your electronics expertise gives you more than a casual insight into content. However, the CPA in me has to seriously question the validity of your estimates. I would say you have done a good job of identifying the components, but estimated costs VERY conservatively on the high side. Also, This is exactly the sort of thing that would be made (or should be made) in China, not Japan. Also, I seriously doubt that shipping and import duties would be anywhere near 50% as you estimate--particularly from a country with "Most Favored Nation" trading status (as most of the Asian countries have)!

Thanks much for you thoughts and comments.

72 de David W7AQK

Date: Fri, 22 Aug 1997 21:41:43 -0700 (MST)
From: Joe Gervais <vole@primenet.com>
To: qrp-1@Lehigh.EDU
Subject: [25363] Power Supply Blues
Message-ID: <199708230441.VAA16504@usr07.primenet.com>

Howdy Folks,

Well this sucks. I went to my local Rat Shack and found a nifty 12V 2A power supply in a small metal case, fused, etc. Perfect for my QRP+, which wants 1.5A. Took it home, hooked it in, fired it up, nada. No juice. Voltmeter proved it. DOA. And it was the last one they had.

Soooo.... called the other local Shacks 'til I found one that had a few. Drove out, made sure it worked before I bought it, great. Took it home, QRP+ fires up fine. Life was good. 'Til I got an RST of 551! Thing was buzzing like a hornet! Switched over to the battery. FB tone. Switched back to the power supply. Buzzy sig again! AARGH!!! Even had the supply several feet away from the QRP+ in case it was causing interference. No help. (Thanks much to Paul NOPL/QRP for his patience.)

Apparently the idea of quality wasn't high on the manufacturer's mind when they built these things.

So where the heck can a guy get a clean, filtered, stable, compact power supply for less than \$30? Am I out of luck? Doomed to spend big \$\$\$ for a little juice? Battery-bound forever? *sigh*

Cheers de AB7TT,

-Joe, vole@primenet.com, AZ ScQRPions (Phoenix)

"It happens sometimes. People just explode. Natural causes." -Repo Man

Date: Fri, 22 Aug 1997 23:04:31 -0600
From: Jess Gypin <jessqrp@concentric.net>

To: slmachco@fix.net
Cc: qrp-1@Lehigh.EDU
Subject: [25364] Re: Curry Communications/Dave Curry
Message-ID: <33FE6F5F.4F89@concentric.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

doug hauff wrote:

> By the way, a year or so ago I ordered a well-known 40 meter kit from a well
> known kitter and had to wait a couple of months, there was some trouble
> getting the sheet metal(shoulda been makin' my boxes then!) But I didn't
> have a hemmorage I just called the guy and waited, not necessarily
> patiently. Hey, I been in the business long enough to know s**t happens!
>
> So lighten up, people, and support those who go out on a limb to support
> YOUR hobby!
> Have fun & call CQ often!
>
> 73 Doug KE6RIE

As a matter of fact, how many of us out there have ordered the Norcal
kits, Rainbow tuners, etc etc... and waited MONTHS for them to be
shipped without a thought as to the time that we would get them!

I waited almost 4 months for my Cascade and never got excited about it,
I knew that it would get here when it got here.

Let's give these guys a break, and cudos for all of the hard work!

Jess NOTFI

Date: Fri, 22 Aug 97 22:03:15 PDT
From: Paul Erickson <paul1@wizard.ucs.sfu.ca>
To: vole@primenet.com
Cc: qrp-1@Lehigh.EDU (qrp)
Subject: [25365] Re: Power Supply Blues
Message-ID: <9708230503.AA07358@wizard.ucs.sfu.ca>

Hi Joe,

I have gone through similar things with my qrp+ and various power supplies.
Before you give up on it, try ferrite chokes in the ac line and the dc
line. One or the other or both may solve your problem.

Let me know how it goes.

cheers, Paul
VE7CQK
email: paul1@wizard.ucs.sfu.ca

Date: Sat, 23 Aug 1997 05:30:27 +0100
From: "Brian K. Short" <shortckt@primenet.com>
To: qrp-1@Lehigh.EDU
Subject: [25366] *NEW* Antennas Mailing List
Message-ID: <3.0.1.32.19970823053027.006cf05c@mailhost.primenet.com>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

Antennas is a mailing list (reflector) devoted to discussing, comparing, evaluating, designing, and constructing antennas (aerials) of all types, especially for amateur radio, SWL, scanning, and monitoring.

- * Design and Evaluation
- * Modeling, Optimizing
- * Analysis Software
- * MF, HF, VHF, UHF, SHF
- * Construction Projects
- * Anything Else Antenna Related

To join Antennas, send email as follows:

TO: majordomo@qth.net
SUBJECT:
BODY: subscribe antennas

Post to Antennas as follows:

TO: antennas@qth.net

Antennas is sponsored by Al Waller K3TKJ and routine administrivia is handled by me (k7on@qsl.net). Enjoy.

73, Brian k7on@qsl.net

Date: Fri, 22 Aug 1997 22:37:19 -0700
From: rob3ert@juno.com (Robert G. Parks)
To: qrp-l@Lehigh.EDU
Subject: [25367] Re:Toroid with shorted turns
Message-ID: <19970822.223721.3662.0.rob3ert@juno.com>

Gang,

I took a T68-2 toroid and wound 30 turns of #22 on it, tapped at ten turns (or 20, if you count from the other end). I then checked it on my trusty Heathkit Q-meter (circa 1965), and found the following:

frequency=7.9 Mhz

Thirty turns L=5.8 uh, Q=215

Measuring from one end to the tap, WITH THE BOTTOM TEN TURNS "OPEN"
L=2.95 uh, Q=155

Shorting across the "bottom" ten turns

L=2.3 uh, Q=103

In both cases of 20 turns (shorted ten turns or open ten turns), the twenty turns "active" were only around 240 degrees of the toroid, which made some difference.

However, I certainly am convinced that shorting turns on a toroid reduces the effective Q.

Any other tests you'd like me to run?

72/73

Bob Parks
K6AEC (Las Vegas)

Date: Sat, 23 Aug 1997 02:02:20 EDT
From: n4so@juno.com (charles k brown)
To: qrp-l@Lehigh.EDU
Subject: [25368] Curry Communications
Message-ID: <19970822.130000.7735.0.n4so@juno.com>

The ARRL has kept track of small and large companies that sell kits.

The filename is kits.txt.
Here is a sample from the 24K file.

Curry Communications
PO Box 1884
Burbank, CA 91505
tel: 818-846-0617

Two kits currently available:

The 80-AU converts the entire LF/VLF band to the 80-meter
amateur band.

The SAM-1 is a transverter that enables operation on the
license-free 1750 meter band with an 80-meter amateur transceiver.

nnnn

Ken Brown, N4SO
QTH nr Mobile, AL/ EM50tk
qrp-l #622
n4so@juno.com

Date: Fri, 22 Aug 1997 22:04:04 -0800
From: "Jim, Nancy and Juliann Larsen" <larsennnc@alaska.net>
To: qrp-l@Lehigh.EDU
Cc: worcester@servcom.com
Subject: [25369] Alaska Online CHAT PAGE Info - de AL7FS
Message-ID: <33FE7D54.77EA@alaska.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Greetings QRP folk,

I have logged in to this and held a short chat with myself. Logged out
before anyone would notice. :-)

This could be useful. For example, send an email to a qrp-l friend and
set an appointment (date and time in UTC) with them to meet on the chat
page. Talk about SST, 38S, 40A, OHR100, etc. Anything!

WATSA?

73,
Jim

--

Jim Larsen
Anchorage, Alaska
Acupressure Anchorage
AL7FS ex-WA0LPK / KL7
2 meter WAS #36
Vision VR40

=====

Leonard Worcester wrote:

>
> I have just finished putting a 'real-time' chat page on my server. It
> could be a good place to meet a friend or relative for
> 'keyboard-to-keyboard' chat versus email. Anyway, give it a try and
> drop me an email and let me know how it works out.
>
> The chat page can be accessed from a link on the SCRC Homepage at:
> <http://www.servcom.com/worcester/scrc.htm>
>
> It can also be accessed direct at:
> <http://www.servcom.com/worcester/chat.htm>
>
> Try it out, and spread the word.
>
> 73 - Len - WL7IM
> worcester@servcom.com

Date: Fri, 22 Aug 1997 23:12:05 -0700 (PDT)
From: Jim W7LS <w7ls@brigadoon.com>
To: qrp-1@Lehigh.EDU
Subject: [25370] Ten Tec TX-100 schematic needed, please
Message-ID: <199708230612.XAA11917@siskiyou.brigadoon.com>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

Ah HAH! I saw those eyebrows raise out there.... Yeah, I bumped into a relic. It is one of the earliest Ten Tec rigs ever made, I think. Or at least so says the guy I got it from. It's so old that only one factory geezer-tech there had ever heard of it. It's a tube transmitter. 6LQ6, I think. Has a one or two tube oscillator/buffer. Crystal controlled. 80/40/15 meters, I think. Have to look again. It's even in top shape. Not even any scratches. Shiny, really.....

Don't know the power output, but looks like maybe in the 50 watt class from the power supply and tube combo.

Anyway, I'm looking for any info someone might have on it, such as the schematic or a book (har har....), like there ever was one.

73 de Jim, W7LS

Date: Fri, 22 Aug 1997 22:50:13 -0700
From: gsurrency@juno.com (Gary L L Surrency)
To: dledoux@laci.net
Cc: qrp-l@Lehigh.EDU
Subject: [25371] Re: Help -Toroids with shorted turns
Message-ID: <19970822.231658.11974.2.gsurrency@juno.com>

I agree with Dale. When I used to ride the bus to school, I would ask to borrow the offending partie's transistor radio. The I would put a single shorted turn of wire around the loopstick. Presto! No stations at all could be received after that simple mod.

Moral: A shorted turn is bad news. And it's h_ll if you want to listen to the radio.

72,

AB7MY

Gary Surrency

Chandler, AZ (Near Phoenix), QRP-L #571, AZ ScQRPions, ARRL VE

Date: Sat, 23 Aug 1997 02:21:57 EDT
From: n4so@juno.com (charles k brown)
To: qrp-l@Lehigh.EDU
Subject: [25372] QRV Electronics
Message-ID: <19970822.131945.7735.2.n4so@juno.com>

Ref. to Derek Brown's QRZ Electronics question-
The ARRL has done a fine job of compiling repair companies in the text file repair.ham.
Here is a sample:

QVR Electronics
503 Main Street - 106A
PO Box 330
Crawford, GA 30630

Phone: 706-743-3344

Fax: 706-743-3344

Notes: Repair service for Azden, KDK and ADI.

Ken Brown, N4SO
QTH nr Mobile, AL/ EM50tk
qrp-l #622
n4so@juno.com

Date: Sat, 23 Aug 1997 02:51:24 -0400 (EDT)
From: ROYGREGSON@aol.com
To: bill@techline.com
Cc: QRP-L@Lehigh.EDU
Subject: [25373] Antennas !
Message-ID: <970823025123_890879397@emout01.mail.aol.com>

Hi Bill and gang....seen a "Spudgun" operate today, the fellow was firing a potatoe about 150 feet up over the top of an evergreen tree from about 250 feet away from the tree base. Another Ham whose call I don't remember said he just put up and 80 Meter dipole. Only took one shot for each end to reach the very top of the tree at about 150 feet !

I had never heard of the "Spudgun" before, but talked myself into a paper copy of the thing. It is made from several sizes of White PCV, uses hair spray or carburator cleaner as the propellant, and is lit off with a flint liter like you would use for a coleman lantern. So with a loud bang, the potatoe is on the way.

Anyway, it is on the internet, and the url on the printout is.....

spudgun.htm at bianca.sms.k12.vt.us

I could not get the site to come up, but some of you internet experts will, no doubt.

This thing beats all of the past methods I have seen to get the antenna up into the branch you want (if you aim is good)

BTW, it only takes a very small squirt of the propellent to do the job, so be careful !

72's/73's Roy

Date: Sat, 23 Aug 1997 00:50:50 -0700 (MST)
From: Bob Hightower <ki7mn@dancris.com>
To: ROYGREGSON@aol.com
Cc: qrp-1@Lehigh.EDU, azqrp@user1.dancris.com
Subject: [25374] Re: Antennas !
Message-ID: <199708230750.AAA05722@dancris.com>
Mime-Version: 1.0
Content-Type: multipart/mixed; boundary="====_872409137==_"

--====_872409137==_
Content-Type: text/plain; charset="us-ascii"

At 02:51 AM 8/23/97 -0400, you wrote:

>Hi Bill and gang....seen a "Spudgun" operate today, the fellow was firing a
>potatoe about 150 feet up over the top of an evergreen tree from about 250
>feet away from the tree base. Another Ham whose call I don't remember said he
>just put up and 80 Meter dipole. Only took one shot for each end to reach the
>very top of the tree at about 150 feet !
>I had never heard of the "Spudgun" before, but talked myself into a paper
>copy of the thing. It is made from several sizes of White PCV, uses hair
>spray or carburator cleaner as the propellant, and is lit off with a flint
>liter like you would use for a coleman lantern. So with a loud bang, the
>potatoe is on the way.

If you want to see some pages about the 'spudgun', here are some URL's.
Sounds a bit hairy to me, but if you want to see how it's done, go to one or
more of the pages.

The list is attached as a file spudguns.txt

Another URL is: <<http://www.seas.ucla.edu/~micah/spud/index.html>>

--====_872409137==_
Content-Type: text/plain; charset="us-ascii"
Content-Disposition: attachment; filename="SPUDGUNS.TXT"

1. Make your own Spud Gun
page!! Changes are no longer being made to these
pages. For the latest in spudgun info check out
the totally revamped Make Your Own Spudgun]]
page. DISCLAIMER, READ AND PROCEED!
<http://www.cs.purdue.edu/homes/thorntjm/spudg.html>
2. Green Waters Spudgun page
Pneumatic spudgun page, design info and
discussion..

<http://www.afn.org/~clarkc/spudgun.htm>

3. The Spud Gun Page

This page may contain information that may get you hurt. But if you play it safe and are not careless with these experiments then you are more likely not to get hurt. I myself think

<http://carbon.cudenver.edu/~mtang/spud1.html>

4. 3 Inch to 1.5 Inch Spud Gun

6 Inch to 1.5 Inch Spud Gun This page may contain information that may get you hurt. But if you play it safe and are not careless with these experiments then you are more likely not to

<http://carbon.cudenver.edu/~mtang/spud4.html>

5. Spud Guns!

Spud Guns! SPUD GUNS! You've heard about them, you might have seen one in action, but now you can own your own spud gun! This spud gun is over three feet long and will use common

<http://www2.csn.net/~bsimon/spudadd.htm>

6. Spudgun's BBS LIST

Spudgun's BBS LIST Spudgun's BBS LIST (Probably out of date now) Chat & Talkers Somewhere Else U.F.P Olohof's Ricks Vault BBS Login as bbs Shadow BBS ISCA BBS michael.bbn.com(login .

<http://www.earthlight.co.nz//users/spudgun/bbslist.html>

7. The Five Barral Gattling Spud Gun

This page may contain information that may get you hurt. But if you play it safe and are not careless with these experiments then you are more likely not to get hurt. I myself think the

<http://carbon.cudenver.edu/~mtang/spud7.html>

8. Spud Gallery Delight, fame, and a Spud Gun. Be the best shooter in the

Eastern Hemisphere as you fire bits of potato at well-known irritating people. The SPUD Gallery. Prizes, an inane host, and ultimately a secure place in the Cosmic All-Being's Scheme.

<http://www.mit.edu:8001/activities/tep/events/spud.html>

9. Tim's Potato Gun Page

' Disclaimer I hope you realize potato guns are legal, in most places, but if you abuse the

privilege of having one that is your own fault. In
no way will I be held responsible for
<http://members.aol.com/TimJC513/index.html>

10. Make your own Spud Gun II, Potato Guns, Anarchy in
the kitchen..
Sorry about all the moving around we have been
experiencing lately. The good people at
mgmt.purdue started to put up a rucus with all the
things that chewie was being used for so
<http://borg20.cs.purdue.edu:8000/spudgun.html>

--===== _872409137==_
Content-Type: text/plain; charset="us-ascii"

73,
Bob, KI7MN Chandler, AZ ScQRPion QRP-L #271, NorCal #1228, CQC #274, QRP
ARCI #8918, AK QRP #30, not in any order of importance.

<http://www.dancris.com/~ki7mn>
WIMPS: QSO's=18 30=18 17=0 12=0 States=15/0/0 DX=0/0/0 QSL's=5

--===== _872409137==_--

Date: Sat, 23 Aug 1997 01:33:24 -0700 (PDT)
From: Alan Kaul <kaul@netcom.com>
To: qrp-l@Lehigh.EDU
Subject: [25375] W6RCL / KH6
Message-ID: <Pine.3.89.9708230111.A11008-01000000@netcom5.netcom.com>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

Hi Gang.... After a long day of travel, made it to the condo on the
beach at Poipu, Kauai. Set up the SLV-MMA and loaded it on 20M into my
SST-20,..... only one signal heard and he was 599, but didn't identify.
Time was about 30-minutes before local sunset (0430Z). Nothing else
coming thru. Loaded up the Norcal 40A and heard lots of stuff---mostly
7's (though didn't recognize any of them as being on the list, but with
1500-or so on the list these days, how could one know??). Poipu beach is
on the South Side of the island so a better shot at working VK/ZL or
South America than USA -- but I'll keep trying. I suspect a gain antenna

or a vertical with radials UP about 15-feet off the ground might be better than what I've got.

Good DX, I'll be looking for you around my local Sunrise (9am PDT). As we say in the broadcast-news business ''what could possibly go wrong??''

73/72 de alan

[<Alan Kaul, W6RCL>] kaul@netcom.com

Date: Sat, 23 Aug 1997 06:08:01 -0400 (EDT)
From: "L. B. Cebik" <cebik@utkux.utcc.utk.edu>
To: towertalk@contesting.com, QRP-L List <qrp-l@Lehigh.EDU>
Subject: [25376] Coil stock (e.g., Air-Dux, etc.
Message-ID: <Pine.SOL.3.94.970823060342.20530B-1000000@utkux4.cas.utk.edu>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

The interest in link-coupled tuners has led one individual (at least) to try to roll his own. He had a question I could not answer: who, these days, carries Air Dux or similar air wound coil stock? I think the intended version calls for 2" dia at 8 tpi, but a supplier of several kinds and types would be useful for the home brewer.

If the answer is broadcast, please cc me individually as well.

Many thanks.

-73-

LB, W4RNL

Date: Sat, 23 Aug 1997 05:06:23 -0700 (PDT)
From: Stanley Wilson <microres@crl.com>
To: jack <cmb@mc.net>
Cc: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [25377] Re: altoids tin transmitters-receivers
Message-ID: <Pine.SUN.3.91.970823050335.17329B-1000000@crl9.crl.com>

Mime-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

> any qrp plans out there for the altoids tins,i would like to make a
> transmitter in one and receiver in the other.thanks jack n9iif

A lot of the circuits in SPRAT (G-QRP Club) can be built in a Altoids
Tin. Look at their ONE'ER series of circuits to start. Have you built a
49'er in one yet?

de stan ak0b

Date: Sat, 23 Aug 1997 08:15:43 -0400
From: "duane" <duane@flinet.com>
To: <ki7mn@dancris.com>, "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>
Subject: [25378] Re: Antennas !
Message-ID: <199708231220.IAA16190@shell.flinet.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=ISO-8859-1
Content-Transfer-Encoding: 7bit

Just to let all know, the spudgun as it is called by some is also illegal
in many states. It in fact can kill someone if he/she is struck by the
object being propelled from the gun. check with local law enforcement
before you possess this weapon
Duane AB4BE QRP-L#710
<http://www.flinet.com/~duane>
duane@flinet.com
ab4be@amsat.org

> From: Bob Hightower <ki7mn@dancris.com>
> To: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>
> Subject: Re: Antennas !
> Date: Saturday, August 23, 1997 3:50 AM
>
> At 02:51 AM 8/23/97 -0400, you wrote:
> >Hi Bill and gang....seen a "Spudgun" operate today, the fellow was
firing a
> >potatoe about 150 feet up over the top of an evergreen tree from about
250
> >feet away from the tree base. Another Ham whose call I don't remember

said he
> >just put up and 80 Meter dipole. Only took one shot for each end to reach the
> >very top of the tree at about 150 feet !
> >I had never heard of the "Spudgun" before, but talked myself into a paper
> >copy of the thing. It is made from several sizes of White PCV, uses hair
> >spray or carburator cleaner as the propellant, and is lit off with a flint
> >liter like you would use for a coleman lantern. So with a loud bang, the
> >potatoe is on the way.
>
>
> If you want to see some pages about the 'spudgun', here are some URL's.
> Sounds a bit hairy to me, but if you want to see how it's done, go to one
or
> more of the pages.
>
> The list is attached as a file spudguns.txt
>
> Another URL is: <<http://www.seas.ucla.edu/~micah/spud/index.html>>
>
>
> 73,
> Bob, KI7MN Chandler, AZ ScQRPion QRP-L #271, NorCal #1228, CQC #274, QRP
> ARCI #8918, AK QRP #30, not in any order of importance.
>
> <http://www.dancris.com/~ki7mn>
> WIMPS: QSO's=18 30=18 17=0 12=0 States=15/0/0 DX=0/0/0 QSL's=5
>

Date: Sat, 23 Aug 1997 08:35:09 -0400
From: Tony Fishpool <G4WIF@compuserve.com>
To: QRP List <qrp-l@Lehigh.EDU>, GQRP List <gqrp-l@blacksheep.org>
Subject: [25379] Fretwork
Message-ID: <199708230835_MC2-1DF4-3EA6@compuserve.com>
MIME-Version: 1.0
Content-Transfer-Encoding: quoted-printable
Content-Type: text/plain; charset=ISO-8859-1
Content-Disposition: inline

Greetings All,
During Doug KI6DS's U.K. visit, which was reported on the NORCAL
pages, he was presented with a carved callsign plaque by Steve G0TDJ.

You can see a picture of this on my report. Steve is sceptical that these= things could sell, but Doug & I agreed that \$30 (20 UKP) + shipping would= be about right. Perhaps if you are interested in that kind of thing, you could sur= f over to the NORCAL site <http://www.fix.net/~jparkernorcal.html> and if you agree, then drop Steve a line, either just to encourage him, or even place an order!

I 'fess up right now that this mailing has little to do with QRP other th= an mention of Doug's visit report (more pictures now!). Hopefully, you will forgive = me trying to do a mate a good turn.

72
Tony G4WIF/KI8CR

Date: Sat, 23 Aug 1997 05:52:40 -0800
From: cleveland@usa.net (Grover Cleveland)
To: qrp-l@Lehigh.EDU
Subject: [25380] Potato Cannon Site - Antenna Launching
Message-ID: <v02130500b0249affa017@[208.25.63.188]>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

<http://home.earthlink.net/~mbgraney/cannon.html>

An excellent site complete with a QuickTime movie and audio. Very good instructions. Safety note - these things only use about 5 psi so the possibility of an explosion is extremely remote. There is much more danger of whacking someone with a potato. Nils, this could be an answer to the badger problem.

Grover
K7TP

Date: Sat, 23 Aug 1997 10:02:32 +0100
From: "Bob Duckworth" <wb4mnf@atl.org>
To: <ROYGREGSON@aol.com>
Cc: "qrp" <qrp-1@Lehigh.EDU>
Subject: [25381] Re: Antennas !
Message-ID: <199708231258.IAA05410@atl.org>

We'd to use a kerosene fired version for Guy Fawkes Day
and New Years celebrating when I lived in 3d2 land. Bamboo
Canon. Usually no load as we were after noise, but, it would
throw various tropical fruits across the river with plenty of
momentum and a pretty flat trajectory. Bore about 3" and barrel
about 10' long :-)

-bob

Date: Sat, 23 Aug 1997 09:31:31 -0400
From: pthomson@bruderhof.com
To: qrp-1@Lehigh.EDU ("Low Power Amateur Radio Discussion")
Subject: [25382] Re: Antennas ! (and cannons)
Message-ID: <4BD7FE338100001F5CAB@mail.brunderhof.com>
MIME-Version: 1.0
Content-type: text/plain; charset="ISO-8859"
Content-disposition: inline
Content-transfer-encoding: 7bit

Bob, wb4mnf@atl.org wrote:

>We'd to use a kerosene fired version for Guy Fawkes Day
>and New Years celebrating when I lived in 3d2 land. Bamboo
>Canon. Usually no load as we were after noise, but, it would
>throw various tropical fruits across the river with plenty of
>momentum and a pretty flat trajectory. Bore about 3" and barrel
>about 10' long :-)

A few decades ago tennis-ball cannons were the rage. Back
then, you made them with 5 or 6 *steel* beer cans and fired
them with denatured alcohol. I still have one for the kids, now
made of Campbells Soup cans. They are about 3 feet long, with
half the space as an "explosion chamber" and the rest barrel.

These are fairly benign weapons, capable of shooting the

tennis ball about 200 feet up. I don't know how high they would go with a string, but might do for some antenna work. Esp for QRP antennas (there's the obQRP content!).

DISCLAIMER: These are not to be construed as plans for building such a device. If you try, you're on your own!

72 de KA2QPG, Pierre

Date: Sat, 23 Aug 1997 10:05:10 EDT
From: w8irq@juno.com
To: qrp-l@Lehigh.EDU
Message-ID: <19970823.100029.6462.1.W8IRQ@juno.com>

hi group:

just thought i'd pass along some info to those who are building the st. louis vertical antenna.

after evaluating the different type of construction, i just was not happy with the different coil form types of constructing the antenna.

one day, while i was out shopping at the local hardware store, i happened to spot a sale on washing machine drain hoses. the perfect coil form, about six turns per inch, using #14 or #16 wire. i cut thru one side of the hose, and when slipped over the sd-20 fishing pole, it leaves a gap of 3/8 of an inch. this is enough for any alligator clip on, or any other method of tapping the coil. i have not finished constructing the antenna at this point, but i thought this piece of info would be of value to some other constructors.

nick stanich

w8irq@juno.com

Date: Sat, 23 Aug 1997 14:13:44 +0100
From: Karl-Heinz Kaatz <kh.kaatz@gmx.de>
To: qrp-l@Lehigh.EDU
Subject: [25384] Search infos about MX-7S
Message-ID: <33FEE208.6D2F@gmx.de>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Hallo all,

I have bought the 40-m handheld.trx MX-7S from JIM (or SANTEC or MIZUHO)
but I have information about it (manual or wire-digramm).

Can someone help me with copy of manual or diagramm?

Informations about the MX-20S or 15-S are also welcome.

TNX, vy 73 de Karl-Heinz, DF7KHK

Date: Sat, 23 Aug 1997 07:28:02 -0700
From: "D.K. Philbin" <dphilbin@slonet.org>
To: QRP-L@Lehigh.EDU
Subject: [25385] Help for college Ham club needed
Message-ID: <1.5.4.32.19970823142802.00694d68@slonet.org>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

Dear Jedi Masters;

I teach at a Community College and we have recently established a "Ham Club"
on campus. Many of the members are studying for their ticketts and some have
already become hams.

The president of the club approached me with a project need...club members
would like to pair up and practice CW while spaced some distance appart.
They want to practice sending and receiving CW with a buddy...but they want
to be out of ear shot of each other.

We do have some limited funds available..I would like them to build whatever
project is decided upon..
Any ideas?

Thanks in advance,

D.K. Philbin KD6TK

Date: Sat, 23 Aug 1997 09:46:02 -0500
From: launerb@crl.com (William H. Launer)
To: vole@primenet.com
Cc: qrp-l@Lehigh.EDU
Subject: [25386] Re: Power Supply Blues
Message-ID: <v01530500b024a5586ae9@[192.0.2.1]>

Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

Joe,

I'm not familiar with this particular unit, but it sounds like there is little (if any) filtering on its output. Try connecting about 2000 to 5000 microfarads across the output, and see if it improves. If no improvement, then it may have a bad rectifier.

I'm assuming it's just a transformer-rectifier unit, with no regulator circuitry. If it's a regulated unit, then the extra capacitance should be put between the rectifiers and the regulator.

72/73 Bill wb0cld

Bill Launer
St. Charles, MO
launerb@crl.com
wb0cld@wb0cld.ampr.org [44.46.66.25]
qrp-l #279 qrp arco #3551
Grid Square EM48RT

Date: Sat, 23 Aug 1997 07:53:06 -0700 (MST)
From: Bob Hightower <ki7mn@dancris.com>
To: "duane" <duane@flinet.com>
Cc: qrp-l@Lehigh.EDU, azqrp@user1.dancris.com
Subject: [25387] Re: Antennas !
Message-ID: <199708231453.HAA28285@dancris.com>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

At 08:15 AM 8/23/97 -0400, you wrote:

>Just to let all know, the spudgun as it is called by some is also illegal
>in many states. It in fact can kill someone if he/she is struck by the
>object being propelled from the gun. check with local law enforcement
>before you possess this weapon
>Duane AB4BE QRP-L#710
><http://www.flinet.com/~duane>
>duane@flinet.com
>ab4be@amsat.org
>

>

>

Thanks for that info, Duane. Tht holds true for ALL types of guns [no flames please, I'm not an anti-gun nut :^)]Of course, it was not mentioned in any of the stuff about the spudguns.

73,

Bob, KI7MN Chandler, AZ ScQRPion QRP-L #271, NorCal #1228, CQC #274, QRP ARCI #8918, AK QRP #30, not in any order of importance.

<http://www.dancris.com/~ki7mn>

WIMPS: QSO's=18 30=18 17=0 12=0 States=15/0/0 DX=0/0/0 QSL's=5

Date: Sat, 23 Aug 1997 07:43:27 -0700

From: Bill Todd <bill@techline.com>

To: wb4mnf@atl.org

Cc: qrp-1@Lehigh.EDU

Subject: [25388] Re: Antennas !

Message-ID: <1.5.4.32.19970823144327.006eafa4@mail.techline.com>

Mime-Version: 1.0

Content-Type: text/plain; charset="us-ascii"

At 10:02 AM 8/23/97 +0100, you wrote:

>We'd to use a kerosene fired version for Guy Fawkes Day

>and New Years celebrating when I lived in 3d2 land. Bamboo

>Canon. Usually no load as we were after noise, but, it would

>throw various tropical fruits across the river with plenty of

>momentum and a pretty flat trajectory. Bore about 3" and barrel

>about 10' long :-)

>

>-bob

So that's what you guys do when the band is dead? hi hi

Guess it is a lot more fun than watching the current ball game on the tube!

CUL, Bill-N7MFB

Date: Sat, 23 Aug 1997 11:05:12
From: Steven Weber <kd1jv@moose.ncia.net>
To: qrp-1@Lehigh.EDU
Subject: [25389] Shorted toriod turns, an experiment
Message-ID: <3.0.1.16.19970823110512.248fe3ec@mailhost.ncia.net>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

Hi Gang,

The recenet thread on to short or not to short turns on a toriod perked my interest. Conventual wisdom says not to. So, I tried an experiment to find out.

Set up:
T37-2 toriod
3 turn primary
6 turn secondary, center taped.

Signal source, IFR 1000 service montior, 50 ohm output
Frequency, 7 Mhz
Detector, Textronics 453 scope

Put hefty siganl into primary, measure output secondary with 51 ohm load, using center tap. One side floating.

Out put voltage= 200 mv.
short floating end of secondary to center tap, creating shorted turns.
Output voltage, 50 mv.

Conclusion: Shorting turns on a toriod transformer causes a 4 to 1 loss in signal. Showing that shorted turns on a toriod when used as a simple inductor increases losses would be a little harder to prove. Although I belive this effect can be infered from the transformer experiment.

SO, I would not short my toriod inductor to change it's inductance. As this would create an autotransformer effect, as Ed noted, possibly producing high voltage on the floating end, make sure the floating end is well isolated from any grounding surfaces.

Class dismissed. Pop test tomorrow.

73

Steve, KD1JV....In the White Mountains of New Hampshire

-----Original Message-----

WIMPS		
12 M ST/PRV,DX 00--00	17 M ST\PRV,DX 01--00	30 M ST/PRV,DX 03--00

-----End of Original Message-----

WIMPS

12 M ST/PRV,DX 17 M ST\PRV,DX 30 M ST/PRV,DX
00--00 01--00 03--00

de AA1IK,
Ernie Gregoire

Lead by example.

It is better to pull a string,
than to push it.

R.R. 1, Box 221,
South Rd.
Canaan, NH. 03741

Fists # 2644, N.E.QRP # 202
QRP-L # 95, Fly fisher & tier,
Promise Keeper.

E-mail address: gregoire@endor.com

packet address: AA1IK@WA1WOK.FN43FE.NH.USA.NA

08/23/97 12:06:49

Date: Sat, 23 Aug 1997 13:07:26 -0400
From: Scott Bauer <ke3nv@erols.com>
To: qrp-l@Lehigh.EDU
Subject: [25391] spud guns
Message-ID: <199708231707.NAA00874@smtp3.erols.com>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

I would be very careful playing around with these and
any other toys like the spud gun. Besides being illegal,
if anything were to go wrong, you could kill yourself
or any bystanders that might be around.

My 2 cents worth, sorry.
72&73 de Scott Bauer W3CV, Odenton, MD. grid FM19. Formerly KE3NV

" You may be on the right track, but will get run over if you just
sit there".... Will Rodgers

visit my web page at <http://www.erols.com/ke3nv/>
QRP-L 728

Date: Sat, 23 Aug 1997 10:31:07 -0700 (MST)
From: Joe Gervais <vole@primenet.com>
To: cleveland@usa.net
Cc: qrp-l@Lehigh.EDU
Subject: [25392] Re: Potato Cannon Site - Antenna Launching
Message-ID: <199708231731.KAA15960@usr06.primenet.com>

Grover (K7TP) wrote:

>
> There is much more danger of whacking someone with a potato.
> Nils, this could be an answer to the badger problem.

Unless... *shudder* you see badgers rummaging through your trash,
picking out potatoes... and steel beercans....

Cheers de AB7TT,

-Joe, vole@primenet.com, AZ ScQRPions (Phoenix)

"'Fraid nobody around here, understands my potato;
Think I'm only a Spudboy, looking for a real tomato." -DEVO

Date: Sat, 23 Aug 1997 13:06:02 -0500
From: Bob Liesenfeld <wb0poq@visi.com>
To: QRP-L reflector <qrp-l@Lehigh.EDU>
Subject: [25393] Happy mail-order op
Message-ID: <33FF268A.68A34252@visi.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Hi gang,
On the positive side:

Placed another order with Dan's Small Parts. Received order in just a few
days. Parts were nicely packed, as advertized, and all were there.

Ahhhhhhhhh....homebrewing.... :-)

72 Bob

--

Genuine E-mail From the Land of the Everlasting Icicle...

Bob Liesenfeld
wb0poq@visi.com

Date: Sat, 23 Aug 1997 10:17:29 -0800
From: "Jim, Nancy and Juliann Larsen" <larsennc@alaska.net>
To: qrp-1@Lehigh.EDU
Cc: worcester@servcom.com
Subject: [25394] [Fwd: Re: Chat page Creativity]
Message-ID: <33FF2939.5CCD@alaska.net>
MIME-Version: 1.0
Content-Type: multipart/mixed; boundary="-----451966FB19CE"

This is a multi-part message in MIME format.

-----451966FB19CE
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

I had a brainstorm.....Really!! Read on.

Jim

-----451966FB19CE
Content-Type: message/rfc822
Content-Transfer-Encoding: 7bit
Content-Disposition: inline

Message-ID: <33FF28D4.1CF1@alaska.net>
Date: Sat, 23 Aug 1997 10:15:48 -0800
From: "Jim, Nancy and Juliann Larsen" <larsennc@alaska.net>
Reply-To: larsennc@alaska.net
Organization: Acupressure Anchorage
X-Mailer: Mozilla 3.01 (Win95; I)
MIME-Version: 1.0
To: worcester@servcom.com
Subject: Re: Chat page Creativity
References: <33FF0A75.39A9@servcom.com>
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Leonard Worcester wrote:

>

> Jim. Hey thanks for trying it out.

You are welcome.

I would enjoy stopping into the chat room and finding someone already there. I may post to the QRP-L list (over 2000 on the list) andhey!!!!!! When I go out to use KL7Y's station for a QRP Sprint contest on Sep 20th I could take my ISP login info with me (or use Dan's since email address doesn't matter) and use Dan's computer and camp on the Chat page for the day. Cool!!!!!!

Well, I never finished that other sentence.....no matter.

Thanks!

73,

Jim

--

Jim Larsen

Anchorage, Alaska

Acupressure Anchorage

AL7FS ex-WA0LPK / KL7

2 meter WAS #36

Vision VR40

-----451966FB19CE--

Date: Sat, 23 Aug 1997 14:34:39 -0400 (EDT)

From: "Ralph L. Irons" <rli8m@weyl.math.virginia.edu>

To: qrp-l@Lehigh.EDU

Subject: [25395] Re: College Ham Club Help

Message-ID: <Pine.A32.3.93.970823142237.33430B-100000@weyl.math.Virginia.EDU>

MIME-Version: 1.0

Content-Type: TEXT/PLAIN; charset=US-ASCII

D.K.,

My 12th grade physics students have successfully built and operated the (AM radio) "Code Transmitter" described in Forrest Mims' "Engineer's Mini-Notebook: Communications Projects" available at Radio Shack. It uses a 555 and a 2n2222 and a coil the students wind on a soda straw. It runs on 3V and uses a 9'9" (maximum) antenna to comply with FCC regulations. Of course, only one can be operated at a time within signal range.

72 Ralph N7RI

Charlottesville VA

Date: Sat, 23 Aug 1997 12:43:58 -0700 (MST)
From: Bob Hightower <ki7mn@dancris.com>
To: "duane" <duane@flinet.com>
Cc: qrp-l@Lehigh.EDU
Subject: [25396] Re: Antennas !
Message-ID: <199708231943.MAA12075@dancris.com>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

At 03:20 PM 8/23/97 -0400, you wrote:

>Hey Bob, No I'm not a gun control nut either. The problem with the spudgun
>is that some states list them as an illegal explosive device (not a
>firearm). I for one don't see a problem with them when used properly but
>their is always the nut who uses something like this in an improper manner
>which causes the device to be listed as the explosive device status. The
>spudgun has been used by street gangs believe it or not against the police
>in urban areas, this is not a new device it's been around for along time.
>

Yeah, I can see that being a problem. I guess I got in the mode of believing
most everyone was like this group.....human and decent. Oh, well. Might
still build one just for the heck of it.

How the heck do you afix the line to the spud?

73,
Bob, KI7MN Chandler, AZ ScQRPion QRP-L #271, NorCal #1228, CQC #274, QRP
ARCI #8918, AK QRP #30, not in any order of importance.

<http://www.dancris.com/~ki7mn>
WIMPS: QSO's=18 30=18 17=0 12=0 States=15/0/0 DX=0/0/0 QSL's=5

Date: Sat, 23 Aug 1997 14:30:55 -0600
From: Niel Skousen <nskousen@scientechnology.com>
To: adams@chuck.dallas.sgi.com (Chuck Adams), qrp-l@Lehigh.EDU
Subject: [25397] Upgraded - finally !!
Message-ID: <3.0.3.32.19970823143055.0069d860@eaglerock.if.scientechnology.com>

Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

I believe this makes 100% for Chuck. I think I am the last of the N/T Fox's of '96 to get upgraded. I finally got it done today, while on travel in Denver.

Thanks again to Chuck for the 'special' rules that really pushed N/T Fox activity last year.

Now, on to the Fox Hunts and Sprints! (finally Russ..)

Thanks to all for the online elmering, great bunch !!

Niel

Niel Skousen: Sr.Eng, SCIENTECH.SPG/CFG nskousen@scientech.com
208.525.3742, FAX 529.4721 Idaho Falls ID WA7SSA QRP-L.119
Z-----DN33wm--- . . . -

Date: Sat, 23 Aug 97 16:42:26 EDT
From: Joel Malman <malman@BBN.COM>
To: qrp-l@Lehigh.EDU
Cc: malman@BBN.COM
Subject: [25398] Two QRN/QRM Questions
Message-ID: <199708232042.QAA02991@nss2.CC.Lehigh.EDU>

Folks,

Question 1:

Has anyone else noticed the raspy RST 595 station(s) putting out about 2 KW (at least) on 40,30,20,17,15 and 12 at the same time, all on the low end of the CW band for the past few weeks?

This guy is sending something like 'ISSS ISS I I ISS SSS ISS ISS SS I' which would appear to be some coded signal.

He is at least 10kc wide on all bands, and S9 here in MA? Anyone have a clue?

Question 2:

QRN -- Static! It is driving me up the wall this summer. Every day there is a storm somewhere close enough to make most all bands below 15 meters, static-city!

I know about the Buzz-Not, but I don't think it can help with atmospheric static.

Can some computer-wiz design a micro-processor based filter to remove the atmospheric noise before it reaches the antenna input of the QRP Rig.

Please!

/joel wa1qvm (malman@bbn.com ... Concord, Ma.)

Date: Sat, 23 Aug 1997 14:48:46 -0600
From: Doug <doug@sunrise.alpinet.net>
To: ke3nv@erols.com
Cc: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>
Subject: [25399] Re: spud guns
Message-ID: <33FF4CAD.E0D90926@alpinet.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Hi Scott....when and who ever made "Spud Guns" illegal?
We've got them all over the state here.....and have a blast
with them. Like any other sort of projectile launcher, one
can overdo with them and get hurt, but I trust we dont
need the Government telling us that.

Doug, K7YD

Scott Bauer wrote:

> I would be very careful playing around with these and
> any other toys like the spud gun. Besides being illegal,
> if anything were to go wrong, you could kill yourself
> or any bystanders that might be around.
>
> My 2 cents worth, sorry.
> 72&73 de Scott Bauer W3CV, Odenton, MD. grid FM19. Formerly KE3NV
>

> " You may be on the right track, but will get run over if you just
> sit there".... Will Rodgers
>
> visit my web page at <http://www.erols.com/ke3nv/>
> QRP-L 728
>

Date: Sat, 23 Aug 1997 17:16:45 -0400 (EDT)
From: n4js@amsat.org
To: ki7mn@dancris.com
Cc: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [25400] Re: Antennas !
Message-ID: <XFMail.970823171745.n4js@amsat.org>
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 8bit
MIME-Version: 1.0

On 23-Aug-97 Bob Hightower typed:
>How the heck do you afix the line to the spud?
>

You tie it to the eye, of course....

(OK, OK, Sorry....)

Sent at 17:17:45 on 23-Aug-97
John L. Sielke n4js@amsat.org n4js@pobox.com
| \ | | | | _ | | / _ | n4js@qsl.net NJ Grid:FM29LN
| . ' | | _ _ | | | \ _ _ \ http://www.qsl.net/n4js NJ-QRP #57 QRP-L #884
| _ | \ | | _ | \ _ _ / | _ _ / QRP-ARCI #9328 CQC #443 CQrp #50
NE-QRP #507 G-QRP #9544 NorCal #1989 QCWA FISTS #2781 ARS #243
WIMPS Qs=032 30m=29 17m=3 12m=0 States=09/02/00 Countries=16/02/00

Date: Sat, 23 Aug 1997 14:25:14 -0700

From: Roger Hightower <n7kt@dancris.com>
To: nskouisen@scientechn.com
Cc: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [25401] Re: Upgraded - finally !!
Message-ID: <33FF553A.3472@dancris.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Great! Congratulations to Neil and all the N/T's who upgraded. Glad to see it happen.

--

72/73 de Roger N7KT n7kt@dancris.com Mesa, AZ Grid DM43cj
NorCal 1099 CoQRP 176 QRP-L 62 G-QRP 9081 ARCI 8946 NE-QRP 383
AK-QRP 167

Date: Sat, 23 Aug 1997 17:28:32 -0500
From: kb0pte@juno.com (Jerry W Alexander)
To: QRP-L@Lehigh.EDU
Subject: [25402] 38S
Message-ID: <19970823.172834.11174.0.KB0PTE@juno.com>

Well I have a 38S that will RX a strong signal about 4 or 5 watts coming from another TX. Seems that the sensitivity of the RX is not very good. Does anyone have any Idea what I should check or replace. I have done every thing that I know to do. If you guys can help, Thank you alot. BTW the TX side works great. Thanks

73

KB0PTE

Wayne

QRP-L # 1058

Date: Sun, 24 Aug 1997 10:50:30 +1200
From: D Limbrick <DAVLIM@extra.co.nz>
To: QRP-L <qrp-l@Lehigh.EDU>
Subject: [25403] Aerial hardware
Message-ID: <33FF6936.6B35@extra.co.nz>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Hi

I'm doing up an old all band vertical and my problem is what metal to use to replace the rusty screws and bolts. I seem to remember that zinc plated is ok and that stainless steel is bad for electrolysis. Can someone advise me on this please.

Secondly I'm looking for the cheapest way to make some qsl cards as I have come back to hamming after a 15 year absence. Perhaps someone can steer me to web page covering this sort of topic if it isnt appropriate here.

Thanks in advance Dave z12dl

End of QRP-L Digest 827
